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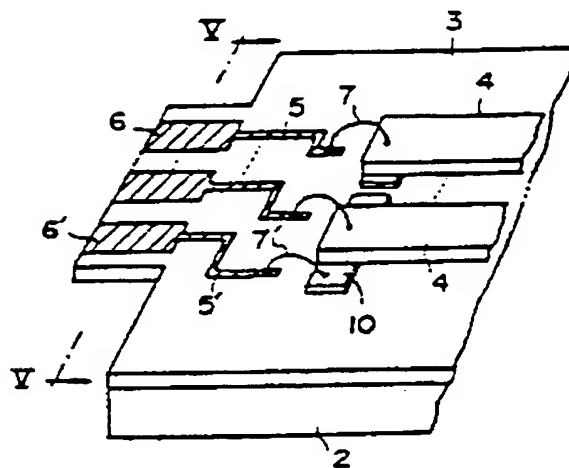
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APPLICANT : RICOH CO LTD;

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TITLE : FORMING METHOD OF CONDUCTOR
 CIRCUIT FOR INK JET INJECTION
 HEAD



ABSTRACT : PURPOSE: To obtain a disposable conductor circuit for ink jet injection head having a low cost by forming the conductor circuit and a recess pattern in the same manner as a plug in a head substrate when the latter is formed.

CONSTITUTION: In this ink jet injection head a recess is formed on a head upper substrate 3 corresponding to the shapes of a conductor circuit 5 and a plug 6, and a conductor body is metallized in this recess. For instance, the head upper substrate 3 is formed of an ABS resin, and being metallized with a pretreatment by chromic acid-sulfate solution and an electroless copper plating process are carried out. The plating process is stopped when a thickness of the electroless copper plating 11 is reached to a desired value, then being ground and the copper plating is removed except the recess, further, a nickel plating or the like is plated on the copper plating. Thereby, the conductor circuit having a good productivity and a low cost can be obtained.

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